

Converting Colors

XYZ(46.2806, 36.5337, 41.6582)

Have a look what the booklet for
XYZ(46.2806, 36.5337, 41.6582)
contains.

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Color

**XYZ(46.2806, 36.5337,
41.6582)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8AA8
RGB	222, 138, 168
RGB Percent	87%, 54%, 66%
CMY	0.1294, 0.4588, 0.3412
CMYK	0.00, 0.38, 0.24, 0.13
HSL	339°, 56%, 71%
HSV	339°, 38%, 87%
XYZ	46.2806, 36.5337, 41.6582
YIQ	166.5360, 40.4340, 27.1380

Conversions

Conversions Part 2

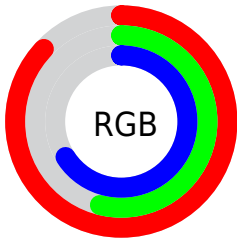
Format	Color
R _Y B	222, 138, 168
Decimal	14584488
CIE Lab	66.93, 35.92, -2.22
CIE LCh	67, 35.990, 356.468
Yxy	36.5337, 0.3718, 0.2935
Android (android.graphics.Color)	4292774568 (0xFFDE8AA8)
YUV	166.5360, 0.7218, 48.6419
Hunter-Lab	60.4431, 30.9000, 1.4467

Details

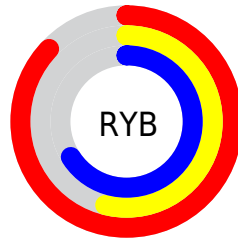
The XYZ color **46.2806, 36.5337, 41.6582** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.1186, 61.4526, 59.3031**, and the grayscale version is **36.4888, 38.3891, 41.8057**.

A 20% lighter version of the original color is **73.6292, 64.7276, 78.4250**, and **21.9972, 15.9159, 18.4357** is the 20% darker color. If you saturate the color by 10%, you get **42.1575, 30.2997, 34.0799**, and if you desaturate by 10%, it is **51.2026, 44.1314, 50.2236**.

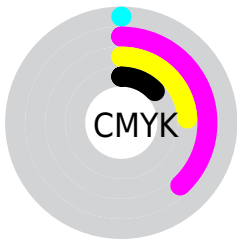
Distribution



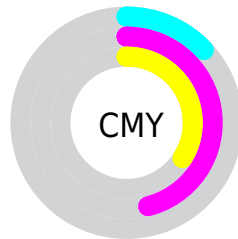
- Red (87%)
- Green (54%)
- Blue (66%)



- Red (87%)
- Yellow (54%)
- Blue (66%)



- Cyan (0%)
- Magenta (38%)
- Yellow (24%)
- Black (13%)





- Cyan (13%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2806, 36.5337, 41.6582 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.2806, 36.5337, 41.6582 by changing the saturation by 10% instead.


 46.2806, 36.5337,
41.6582


 46.2806, 36.5337,
41.6582

362.6327,
331.2873, 368.8219


 32.6729, 24.8467,
28.5102


 83.8641, 69.8550,
78.9466

 22.0340, 15.9629,
18.4682

 108.5705, 92.2581,
103.9240

 13.9986, 9.4979,
11.1138


 137.7073,
119.0020, 133.6816

 8.2014, 5.0673,
6.0283

171.6397,
150.4711, 168.6380

 4.2770, 2.2868,
2.7932

210.7330,
187.0497, 209.2117

 1.8600, 0.7667,
0.9900

255.3527,

 0.5534, 0.0000,

229.1224, 255.8212

0.0000

305.8642,
277.0735, 308.8851

■ 0.0000, 0.0000,
0.0000

■ 46.2806, 36.5337,
41.6582

■ 46.2806, 36.5337,
41.6582

■ 42.1575, 30.2997,
34.0799

■ 51.2026, 44.1314,
50.2236

■ 38.7857, 25.3426,
27.4486

■ 56.9616, 53.1624,
59.8098

■ 36.1169, 21.5733,
21.7242

■ 63.5965, 63.6980,
70.4512

■ 34.0957, 18.8893,
16.8624

■ 71.1433, 75.8029,
82.1802

■ 32.6573, 17.1702,
12.8143

■ 79.6355, 89.5381,
95.0275

■ 31.7136, 16.2488,
9.5210

■ 83.7153, 94.1820,
107.2259

■ 31.5458, 16.0983,
8.8949

■ 83.9344, 94.2697,
108.3798

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2220, 36.5337, 58.7871



46.2806, 36.5337, 41.6582



44.9854, 36.5337, 27.8361

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2806, 36.5337, 41.6582



30.2559, 36.5337, 18.4924



29.2464, 36.5337, 70.4413

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2806, 36.5337, 41.6582



46.1186, 61.4526, 59.3031

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.1556, 36.5337, 54.7261



46.2806, 36.5337, 41.6582



26.6941, 36.5337, 25.3856

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2806, 36.5337, 41.6582



35.3743, 36.5337, 16.6984



25.2720, 36.5337, 37.9572



34.0821, 36.5337, 77.9254

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2806, 36.5337, 41.6582



42.4611, 36.5337, 21.7331



25.2720, 36.5337, 37.9572



27.9893, 36.5337, 65.7739

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2816, 36.5354, 41.6589



83.9766, 82.2833, 91.5516



43.8110, 34.5552, 73.4684



17.7050, 17.1837, 19.1652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2816, 36.5354, 41.6589



59.0186, 43.4349, 49.1120



45.4921, 38.9246, 29.1624



13.9084, 13.7810, 15.2880



18.7857, 9.5813, 5.5375



1.3438, 0.6808, 0.6034

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.2816, 36.5354, 41.6589



59.0186, 43.4349, 49.1120



46.9120, 57.1676, 77.6696



13.9084, 13.7810, 15.2880



18.7857, 9.5813, 5.5375



1.3438, 0.6808, 0.6034

Previews

White Background



This preview shows how the XYZ color 46.2806, 36.5337, 41.6582 looks on a white background.

Color Contrast Check

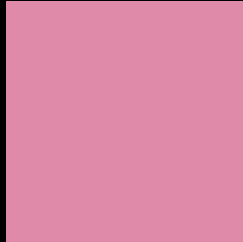
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.2806, 36.5337, 41.6582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2806, 36.5337, 41.6582

Background



This preview shows how black text looks on a background with the XYZ color 46.2806, 36.5337, 41.6582.



This preview shows how white text looks on a background with the XYZ color 46.2806, 36.5337,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.2806, 36.5337, 41.6582

Protanopia

35.9648, 36.7331, 49.9944

Deuteranopia

37.2878, 36.5990, 40.2210



Tritanopia

44.6260, 36.4998, 33.9713

Trichromacy



Original Color

46.2806, 36.5337, 41.6582

Protanomaly

38.9556, 36.0641, 47.0274

Deuteranomaly

40.1063, 36.3192, 40.4938

Tritanomaly

45.2827, 36.5626, 36.5689

Monochromacy



Original Color

46.2806, 36.5337, 41.6582

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.3570, 37.1317, 41.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2806, 36.5337, 41.6582 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 138, 168)` looks like.

```
.text, #text, p{  
    color:rgb(222, 138, 168)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 138, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 138, 168) }
```

Border

The CSS property to change the border of an element to XYZ 46.2806, 36.5337, 41.6582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 138, 168) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(222, 138, 168) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(222, 138, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 138, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 138, 168);  
box-shadow:4px 4px 4px 4px rgb(222, 138,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2806, 36.5337, 41.6582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 138, 168) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
138, 168) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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